

HH family (Goossens et al. 1972)

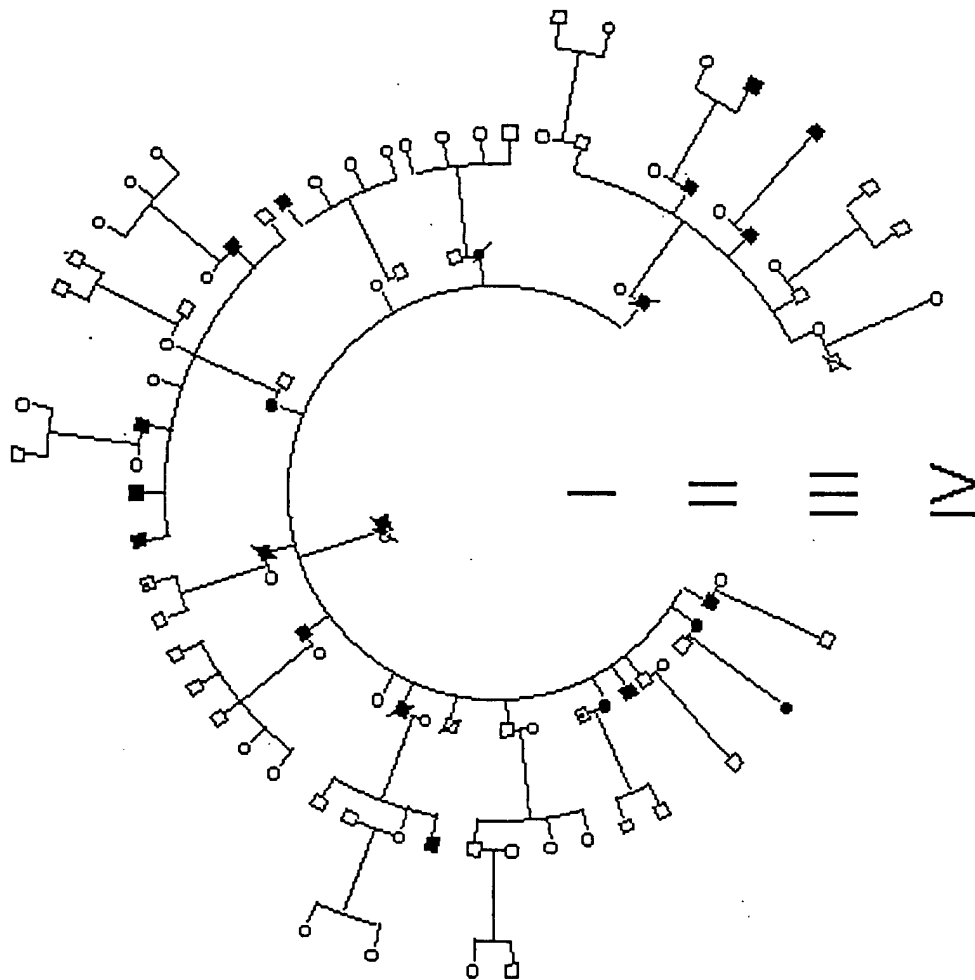
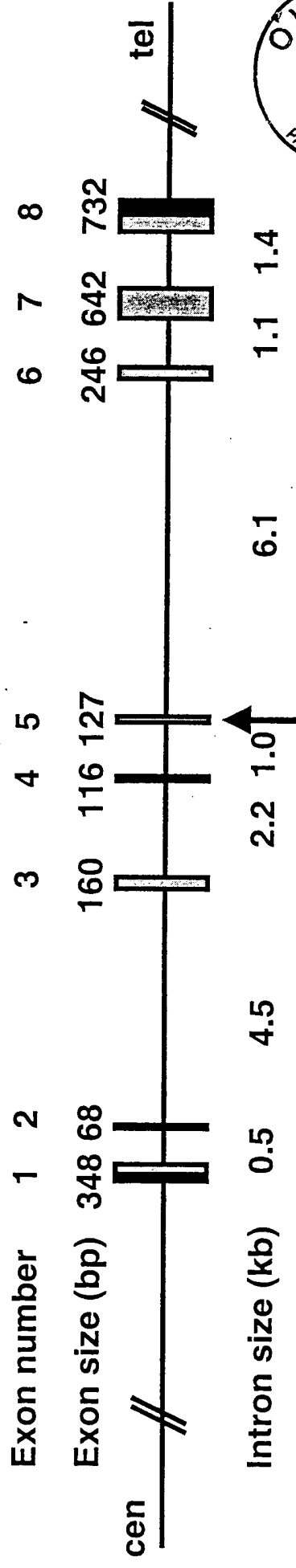


Fig. 1

Ferroportin 1 (FPN1)



9 or 10 transmembrane domains

Stem-loop in 5' mRNA (iron responsive element)

Fig. 2

A734C (N144H)



Figure 1. The effect of the number of nodes on the performance of the proposed algorithm. The number of nodes is 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1300, 1400, 1500, 1600, 1700, 1800, 1900, 2000. The number of iterations is 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1300, 1400, 1500, 1600, 1700, 1800, 1900, 2000. The number of nodes is 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1300, 1400, 1500, 1600, 1700, 1800, 1900, 2000. The number of iterations is 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1300, 1400, 1500, 1600, 1700, 1800, 1900, 2000.



Amino acid conservation

H

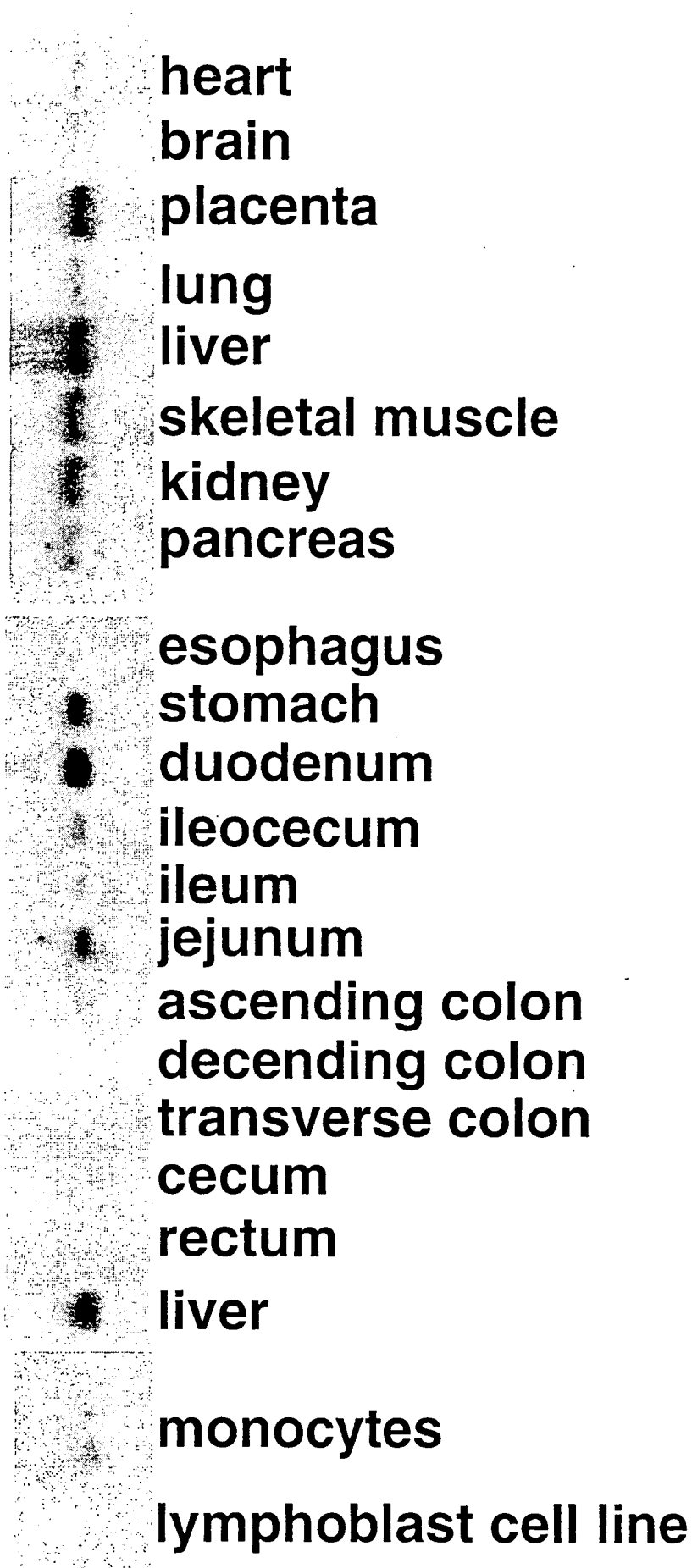


ferroportin1 (Human)	LLTMYHGWVLTSCYILIIITIANIA LASTATAITTIQRDMIVVWAGE
ferroportin1 (Mouse)	LLTMYHGWVLTVCYILIIITIANIANLASTATAITTIQRDMIVVWAGE
cell adhesion regulator (Rat)	LLNMYHGWVLTVCYILIIITIANIANLASTATAITTIQRDMIVVWAGE
ferroportin1 (Zebra fish)	LSSMYDGMLLTTCYIMVISIANIANLASTAMSIITTIQRDMIVVWAGD
Vitolegins II precursor (Chicken)	MMACAVIFETRPALALITITIANVAMKESNNQVASFVYSHMKSLSKS
MNTH (E coli)	GSRQQRYSATKWDVALAMTLAGFYNLAMWATATAAFAHFSGHTGVAD
MNTH (M tuberculosis)	PQRRRLRVTRWDVGLAMLTAGGVNDAAMLLVAALNMRGRGDTASIE

Fig. 4



Fig. 5



FPN1 mRNA expression

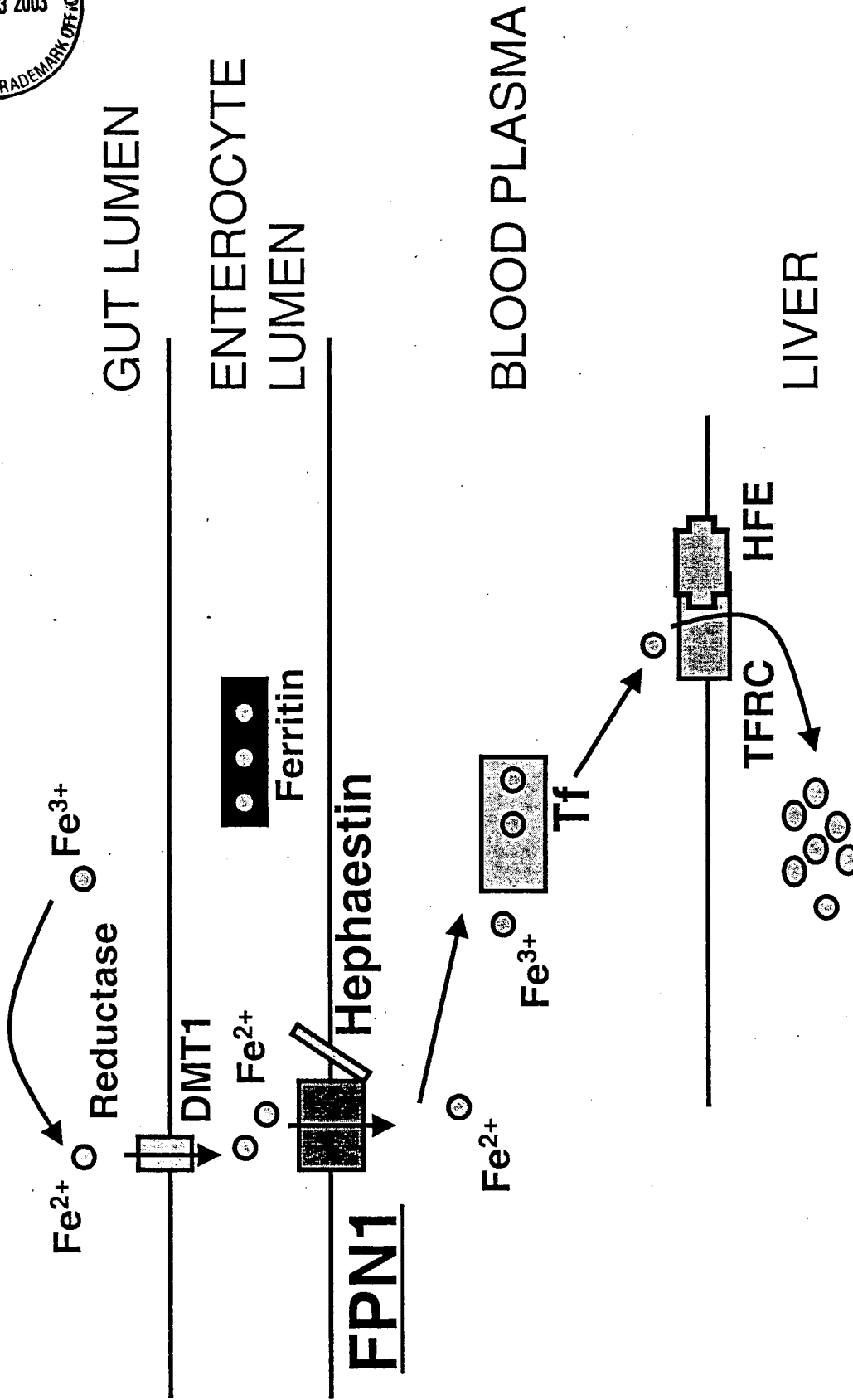


Fig. 6